

Certificate of Analysis

Product	Thymosin β -4	CAS No.	77591-33-4
Product No.	LJTB4-001	Batch No.	LJTB42026050601
Date of Mfg	2026/05/06	Retest Date	2028/05/05
Test Method	In-house	Quantity	2.32kg
Storage Conditions	Protected from light, sealed, store at $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$		

Test	Acceptance Criteria	Results
Appearance	White or off-white Powder	White Powder
Purity	$\geq 98.0\%$	99.66%
Trifluoroacetic acid	$\leq 0.5\%$	ND
Related Substances	Max Single Impurity: $\leq 0.5\%$	0.57%
	Total Impurities: $\leq 2.0\%$	0.84%
Water content	$\leq 8.0\%$	2.7%
Acetate ion	$\leq 15.0\%$	2.1%
Peptide Content	$\geq 80.0\%$	94.8%
Residual Solvents	Methanol $\leq 0.3\%$	0.02%
	MeCN $\leq 0.041\%$	0.01%
	DMC $\leq 0.06\%$	ND
	MTBE $\leq 0.5\%$	ND
Microbial Limit	Total aerobic bacteria $\leq 100\text{cfu/g}$	Conforms
	Mould & Yeast $\leq 100\text{cfu/g}$	Conforms
Bacterial Endotoxin	$\leq 10\text{EU/mg}$	Conforms

Solubility	Freely soluble in water	Conforms
Conclusion	☒ Meet the requirements ☐ Do not meet the requirements	
Remark	It is only supplied as chemical product. It is only for R&D use.	

Reporter/Date: 张浩 2026/05/10

Approver/Date: 刘辉 2026/05/10

